Amendment to the Claims:

1. (Currently Amended) A vacuum device comprising

a plurality of cryopumps [[(10)]] connected with one or ~~a plurality of~~ more vacuum chambers,

a compressor means [[(16)]] connected via media supply conduits [[(12)]] and media return conduits [[(14)]] with the cryopumps [[(10)]],

an adjusting means [[(18)]] connected before at least one of the cryopumps [[(10)]] for controlling the amount of media fed to the cryopump [[(10)]],

a temperature measuring device connected with the cryopump [[(10)]], and

a controller [[(28)]] connected with the adjusting means [[(18)]] and the temperature measuring device,

~~characterized in that~~

the adjusting means [[(18)]] ~~comprises~~ comprising a throttle means [[(24)]] arranged in the corresponding media supply conduit [[(12)]] and a valve [[(26)]] arranged in a throttle bypass conduit [[(22)]].

2. (Currently Amended) The vacuum device according to claim 1, ~~characterized in that~~ wherein the cross-section of the throttle bypass conduit [[(22)]] is designed for a maximum media supply.

3. (Currently Amended) The vacuum device according to claim 1 [[or 2]], ~~characterized in that~~ wherein the throttle device [[(24)]] has a cross-section designed for the media supply required for standard operation.

4. (Currently Amended) The vacuum device according to ~~one of claims~~ claim 1[[-3]], ~~characterized in that~~ wherein the cross-sectional area of the throttle device [[(24)]] is adjustable.

5. (Currently Amended) The vacuum device according to ~~one of claims~~ claim 1[[-4]], ~~characterized in that~~ wherein the flow rate through the valve [[(26)]] is adjustable.

6. (Currently Amended) The vacuum device according to ~~one of claims~~ claim 1[[-5]], ~~characterized in that~~ further including an adjusting means [[(18) is]] connected before each cryopump [[(10)]].

7. (New) A vacuum system comprising:

a plurality of cryopumps, each cryopump including a temperature sensor;

a plurality of supply conduits which supply a compressed cooling medium to the plurality of cryopumps;

a plurality of adjustable valve assemblies in the supply conduits which adjustably control an amount of the compressed cooling medium supplied to an associated vacuum pump;

a controller connected with the temperature sensors and the adjustable valve assemblies, the controller controlling each valve assembly in accordance with a sensed temperature of a corresponding cryopump supplied by the valve assembly.

8. (New) The vacuum system according to claim 7 wherein the controlling means causes each valve assembly to:

supply a preselected amount of the cooling medium when a sensed temperature of the corresponding cryopump is below a target temperature; and,

supply a greater amount of the cooling medium when the sensed temperature is warmer than the target temperature.

9. (New) The vacuum system according to claim 8 wherein the adjustable valve assemblies each comprise:

a first conduit which throttles the compressed cooling medium to supply the preselected amount;

a second conduit in parallel with the first, the second conduit having a larger flow capacity than the first to supply more than the preselected amount of the compressed cooling medium; and,

a control valve in the second conduit which controls the supply of the compressed cooling medium through the second conduit.

10. (New) In a vacuum system including a plurality of cryopumps, each cryopump including a temperature sensor, a plurality of supply conduits which supply a compressed cooling medium to the plurality of cryopumps. a plurality of adjustable valve assemblies in the supply conduits which adjustably control an amount of the compressed cooling medium supplied to an associated vacuum pump, a controller programmed to:

control the valve assemblies to supply a preselected amount of the cooling medium when a sensed temperature of the corresponding cryopump is below a target temperature; and,

control the valve assemblies to supply a greater amount of the cooling medium when the sensed temperature is warmer than the target temperature.